

BEST AVAILABLE COPY

Abstract

An execution device executes an application program created in an object-oriented language. An application includes one or more classes that each have one or more methods, and confidentiality information that expresses whether or not confidentiality is necessary. 5 The execution device determines whether or not encryption is necessary, with reference to the confidentiality information, and when the method is to be executed, records, in a memory, an object including data that the method manipulates. When it is determined that encryption 10 is necessary, the object is recorded with the data encrypted.